



## JOB DESCRIPTION

Position Title: **Principal Engineer**

Working Area: **Petroleum Cleanup**

Class Code: 4913

Exempt

EEO Code: 02

Effective Date: August 30, 2002

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### **Major Function**

Manages the performance of the contamination assessment and remedial action activities for state-funded rehabilitation projects as a site manager.

### **Essential Functions**

*Note: These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is a logical assignment to the position.*

Provides technical oversight and professional certification for remedial documents (Remedial Action Plans (RAP), RAP modifications and Site Rehabilitation Completion Requests), for various cleanup sites as authorized by Chapter 471, 21H 26.001, F.A.C.

Conducts engineering reviews of, and evaluates, Remedial Action Plans (RAPs), RAP Modifications, pilot test proposals and other engineering documents pertaining to the cleanup of petroleum contamination in groundwater and soil for their technical adequacy, compatibility with contaminants and conditions of contaminated sites, compliance with Chapter 62-770 Florida Administrative Code and cost effectiveness.

Provides engineering technical support and advice to non-engineer site managers in the program and technical advice to petroleum cleanup consultants and contractors who are performing laboratory analysis, data collection, site assessments, or remedial actions.

Makes recommendations for corrective actions. Negotiates changes in scope of work as required and prepares changes orders as necessary.

Keeps engineering assignment RAP log database up to date in the computer system.

Evaluates on-going remedial systems and operations and maintenance costs of remedial systems.

Performs on site inspections at petroleum sites where assessments are being performed and remedial systems are built and operating. Makes recommendations for corrective actions as necessary.

Performs other duties as assigned or as may be necessary.



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### **Minimum Qualifications**

Extensive knowledge of the principles and practices of engineering. Considerable knowledge of Environmental Engineering and environmental clean-up programs. Knowledge of applicable environmental Federal, State and County laws, regulations and codes. Knowledge of environmental permitting requirements and processes. Knowledge of the apparatus and techniques used in field and laboratory testing related to pollution abatement and resource management related issues and activities.

Ability to communicate effectively both orally and in writing, with vendors, department directors, architects, engineers, contractors, management, and the general public. Ability to maintain effective working relationships with diverse professionals and other county staff. Ability to plan, organize, expedite and set work priorities for program and assigned staff. Ability to analyze and interpret scientific and engineering data.

Skilled in the use of personal computers and associated software used for data analysis.

Bachelor's Degree in Environmental Engineering, Civil Engineering, or a related field and four (4) years' experience in Environmental Management. Registration as a Professional Engineer in the State of Florida is required.

*A comparable amount of education, training, or experience may be substituted for the minimum qualifications.*

### **Working Conditions**

The environment for this position is a typical office situation with some duties being performed in the field. The incumbent in this classification may be required to stand or walk for prolonged periods of time to perform assigned functions. The incumbent may be required to climb ladders to inspect contaminated sites. This position would be exposed to high levels of dust, dirt, fumes, noise and chemicals. Incumbents in this position must follow safety procedures carefully.